

Executive Summary Report

SMOG CHECK Statewide

February 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	825,759	103,392	12.52%
Total	949,436	132,157	13.92%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	713,317	86.38%	112,442	13.62%
Total	804,481	84.73%	144,955	15.27%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	446,003	85.85%	73,504	14.15%
Total	507,697	84.79%	91,094	15.21%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	11,703	1.42%
All Emissions	51,260	6.21%
All Visual	12,346	1.50%
All Functional	66,122	8.01%
OBDII	44,071	5.34%
Overall	103,392	12.52%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	300,854	270,375
Directed Vehicles	218,653	175,628
Total	519,507	446,003

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	49,089	42,451
Directed Vehicles	18,013	13,299
Total	67,102	55,750

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,580	275	534	28	0	4,417
Test Only	2,426	43	24	1	0	2,494
Basic Area Dealer	0	1	103	0	0	104
Gold Shield	477	27	45	77	0	626
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,800	356	753	109	0	8,018

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	661,372	84,889	12.84%	9,378	1.42%
Partially Enhanced	43,878	6,408	14.60%	700	1.60%
Basic	74,293	7,455	10.03%	991	1.33%
Change of Ownership	5,182	717	13.84%	139	2.68%
No Program	4	1	25.00%	0	0.00%
Unknown Program	41,030	3,922	9.56%	495	1.21%
Total Program Area	825,759	103,392	12.52%	11,703	1.42%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	519,507	72,293	13.92%	8,474	1.63%
Regular	230,504	19,584	8.50%	1,880	0.82%
Basic Area Dealer	4,937	219	4.44%	11	0.22%
Gold Shield in Enhanced Area	52,311	8,840	16.90%	968	1.85%
Gold Shield in Basic Area	10,037	1,337	13.32%	190	1.89%
Gold Shield in COO Area	4,754	650	13.67%	119	2.50%
Business Fleet	6	0	0.00%	0	0.00%
Permanent Fleet Registered	51	7	13.73%	0	0.00%
Referee	344	181	52.62%	40	11.63%
Government Fleet	3,306	281	8.50%	21	0.64%
Unknown Privilege	2	0	0.00%	0	0.00%
Total	825,759	103,392	12.52%	11,703	1.42%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	848	233	27.48%	19.46%	8.14%	13.68%	8.61%	0.00%
MY-1977	1,187	291	24.52%	16.43%	6.15%	14.66%	6.99%	0.00%
MY-1978	1,373	377	27.46%	18.28%	7.36%	15.37%	7.87%	0.00%
MY-1979	1,537	497	32.34%	23.42%	8.33%	19.39%	9.76%	0.00%
MY-1980	924	234	25.32%	18.29%	7.90%	13.74%	7.58%	0.00%
MY-1981	1,061	322	30.35%	24.03%	9.24%	16.97%	8.11%	0.00%
MY-1982	1,236	386	31.23%	24.76%	9.47%	15.21%	7.93%	0.00%
MY-1983	1,615	534	33.07%	26.25%	10.96%	17.40%	8.73%	0.00%
MY-1984	3,061	992	32.41%	26.10%	10.13%	16.63%	8.10%	0.00%
MY-1985	3,997	1,270	31.77%	25.89%	8.63%	15.56%	6.96%	0.00%
MY-1986	5,627	1,650	29.32%	22.75%	8.21%	14.91%	6.42%	0.00%
MY-1987	6,603	2,067	31.30%	25.22%	8.28%	14.51%	5.45%	0.00%
MY-1988	8,261	2,453	29.69%	23.69%	7.55%	13.72%	5.27%	0.00%
MY-1989	11,368	3,092	27.20%	21.53%	6.25%	13.17%	4.67%	0.00%
MY-1990	14,364	3,791	26.39%	21.05%	5.61%	12.02%	3.86%	0.00%
MY-1991	16,830	4,372	25.98%	20.66%	5.56%	11.79%	3.41%	0.00%
MY-1992	17,755	4,513	25.42%	20.16%	4.88%	10.66%	3.41%	0.00%
MY-1993	20,901	5,669	27.12%	22.23%	4.29%	10.65%	3.34%	0.00%
MY-1994	26,380	6,287	23.83%	18.54%	3.40%	9.78%	3.12%	0.00%
MY-1995	36,168	7,644	21.13%	16.32%	2.67%	8.14%	2.63%	0.00%
MY-1996	28,385	5,549	19.55%	9.34%	1.55%	12.87%	2.10%	11.84%
MY-1997	47,158	7,421	15.74%	6.72%	1.06%	10.65%	1.51%	9.90%
MY-1998	39,829	5,827	14.63%	5.45%	0.94%	10.58%	1.46%	10.03%
MY-1999	64,700	6,624	10.24%	2.98%	0.48%	7.92%	1.02%	7.54%
MY-2000	45,800	5,209	11.37%	2.85%	0.58%	9.12%	1.12%	8.89%
MY-2001	89,309	8,869	9.93%	1.23%	0.24%	8.95%	0.73%	8.82%
MY-2002	40,718	4,156	10.21%	1.42%	0.24%	9.22%	0.82%	9.12%
MY-2003	99,123	5,963	6.02%	0.72%	0.17%	5.39%	0.49%	5.32%
MY-2004	34,201	2,361	6.90%	0.78%	0.12%	6.22%	0.56%	6.11%
MY-2005	106,306	3,673	3.46%	0.32%	0.07%	3.09%	0.29%	3.03%
MY-2006	15,946	480	3.01%	0.61%	0.04%	2.58%	0.34%	2.53%
MY-2007	16,736	335	2.00%	0.23%	0.01%	1.83%	0.11%	1.79%
MY-2008	7,374	131	1.78%	0.68%	0.00%	1.64%	0.14%	1.59%
MY-2009	3,404	51	1.50%	0.71%	0.06%	1.29%	0.06%	1.23%
MY-2010	4,705	56	1.19%	0.11%	0.02%	1.08%	0.04%	1.02%
MY-2011	968	13	1.34%	0.41%	0.10%	1.03%	0.21%	0.93%
All Model Years	825,759	103,392	12.52%	6.21%	1.42%	8.01%	1.50%	5.34%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	354
Certificate of Non Compliance	0
Parts Cost	211
Hardship Extensions	0
Exempt Vehicle	43
Exempted by Directive	3
Parts Exemption	21
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	632

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	963
Stations Locked-Out at Least Once	368
Stations Conducted at Least One Test	7,055

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,962	5,653
EA	Gas Endorsement	10	0
EB	Both Endorsement	46	0
EB	Gas Endorsement	465	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	483,725	47.42	68,572	48.43	552,297	47.54
Test and Repair	160,893	47.12	83,024	46.80	243,917	47.01
Test and Repair Dealer	42	63.19	5,044	53.51	5,086	53.59
Referee	155	30.00	51	30.00	206	30.00
Gold Shield in Enhanced Area	48,399	47.00	7,565	48.67	55,964	47.23
Gold Shield in Basic Area	486	60.79	10,258	39.44	10,744	40.41
Gold Shield in COO Area	930	52.64	4,084	54.10	5,014	53.83

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	4,846	22.92	18,725	251.95
	\$51-150	4,237	100.44		
	\$151-250	2,947	200.25		
	\$251-450	3,741	338.93		
	Over \$450	2,954	786.39		
CAP Repairs	\$1-50	70	25.97	3,876	434.47
	\$51-150	143	104.52		
	\$151-250	270	207.65		
	\$251-450	1,121	360.18		
	Over \$450	2,272	531.44		
Total Repairs	\$1-50	3,780	23.21	19,643	325.90
	\$51-150	3,526	100.83		
	\$151-250	2,752	201.23		
	\$251-450	4,319	344.71		
	Over \$450	5,266	743.62		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,638	434.47

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	8	6	0	0	2	3	4	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	33	5	0	0	3	2	3	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test Only	44	8	1	0	3	4	5	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	5	2	1	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	303	78	3	8	31	32	47	17
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	655	127	10	6	52	65	76	16
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	31,888	7,057	734	432	2,929	3,478	4,503	999
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	78	3	1	54	15	64	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	76	118	25	52	26	61	69	72
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	103,638	8,939	681	500	5,431	3,011	6,723	924
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	359,151	62,868	7,350	3,334	23,754	34,894	37,686	7,137
Acceleration Simulation Mode (ASM)	No Program	Gold Shield in Enhanced Area	0	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	61	22	0	0	11	14	15	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	47	10	1	0	4	5	5	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,794	699	86	38	275	372	413	83
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	4	0	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	1	10	5	3	1	9	8	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,798	3,168	312	171	1,212	1,675	1,963	352
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	16	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,100	2,106	255	118	802	1,139	1,295	258
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	15	8	0	0	5	3	5	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,349	275	47	22	114	151	180	49

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	159	14	1	37	117	44	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	10	8	2	3	0	5	3	3
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,364	951	109	61	496	409	661	107
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,744	1,727	207	100	741	896	1,100	222
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,000	1,100	168	89	425	361	744	232
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	139	20	4	2	10	7	15	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,008	145	22	7	76	39	116	18
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	1	0	5	3	6	0
Two Speed Idle (TSI)	Basic	Referee	8	15	5	4	4	5	10	7
Two Speed Idle (TSI)	Basic	Test and Repair	42,783	4,627	608	281	2,062	1,422	3,381	666
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,327	180	10	6	95	42	140	16
Two Speed Idle (TSI)	Basic	Test Only	9,018	1,200	172	66	532	395	841	192
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	68	20	4	1	10	7	16	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,755	321	67	24	123	136	218	35
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	92	22	6	0	7	11	13	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,391	173	29	17	74	56	131	19
Two Speed Idle (TSI)	Change of Ownership	Test Only	895	168	32	18	57	66	117	34
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	543	40	6	10	17	8	26	14
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	438	43	11	3	27	14	34	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,431	501	65	35	306	126	394	63
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	22	3	1	14	5	16	3
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	16	2	0	0	1	1	1	0
Two Speed Idle (TSI)	Enhanced	Referee	15	13	2	6	7	2	9	7
Two Speed Idle (TSI)	Enhanced	Test and Repair	17,928	952	83	38	665	194	793	84
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	426	16	1	0	14	2	15	0
Two Speed Idle (TSI)	Enhanced	Test Only	44,472	3,590	401	162	2,395	773	2,848	336
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	44	5	1	0	2	2	2	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	272	30	3	1	22	6	25	4
Two Speed Idle (TSI)	Partial	Test and Repair	2,132	166	18	7	100	42	131	17
Two Speed Idle (TSI)	Partial	Test Only	1,204	112	19	8	60	34	74	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	346	55	9	8	27	18	39	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	785	106	25	10	51	40	81	24
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	311	36	5	1	27	5	34	1
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	0	0	4	2	6	0
Two Speed Idle (TSI)	Unknown Program	Referee	8	5	1	2	1	2	3	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,138	335	40	25	201	80	273	48
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	434	9	0	0	7	1	7	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,960	203	36	14	132	57	157	27
UnKnown TestType	Basic	Gold Shield in Basic Area	211	12	0	0	9	12	9	3
UnKnown TestType	Basic	Gold Shield in COO Area	10	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	55	3	0	0	2	3	2	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	6	0	0
UnKnown TestType	Basic	Test and Repair	1,515	98	0	20	68	99	68	35
UnKnown TestType	Basic	Test and Repair Dealer	263	8	0	0	8	11	8	0
UnKnown TestType	Basic	Test Only	305	18	0	3	15	18	15	4
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	5	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	66	4	0	1	1	4	1	3
UnKnown TestType	Change of Ownership	Test and Repair	62	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	16	2	0	1	1	2	1	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	45	4	0	1	3	4	3	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	655	54	0	8	38	59	38	17
UnKnown TestType	Enhanced	Government Fleet	0	1	0	0	1	50	1	0
UnKnown TestType	Enhanced	Permanent Fleet Registered	0	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Referee	15	4	0	3	0	6	0	3
UnKnown TestType	Enhanced	Test and Repair	2,688	119	0	19	91	195	91	34
UnKnown TestType	Enhanced	Test Only	4,408	254	0	40	199	292	199	64

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Partial	Gold Shield in Basic Area	1	4	0	0	2	4	2	2
UnKnown TestType	Partial	Gold Shield in Enhanced Area	147	8	0	2	6	8	6	2
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Test and Repair	821	34	0	7	20	41	20	14
UnKnown TestType	Partial	Test Only	357	22	0	3	17	22	17	6
UnKnown TestType	Unknown Program	Gold Shield in COO Area	52	1	0	1	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	55	3	0	0	3	3	3	0
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	14	0	0
UnKnown TestType	Unknown Program	Referee	24	3	0	3	0	3	1	3
UnKnown TestType	Unknown Program	Test and Repair	418	16	0	0	15	38	15	1
UnKnown TestType	Unknown Program	Test and Repair Dealer	25	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Test Only	315	15	0	2	11	26	11	4